



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT3022AL120-277V_S_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies
 [ISSUE DATE]
 [TEST DATE] Tue Jul 24 09:06:54 2018
 [TEST] 1
 [MANUFACT] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS830LEDLOWT3022AL120-277[_P
 [LAMP] LED 0.195W White 5630 package (65mA)
 [LAMPCAT] SPMWHT541MD-3900K
 IESNA:LM-63-2002
 [TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUE DATE] 7/24/2013 1:09:24 PM
 [MANUFACT] Beghelli
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11393
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4078	3427	4078
55	2482	2023	2482
65	1638	1292	1638
75	769	585	769
85	7	5	7

CANDELA TABULATION

	<u>0</u>
0	7176.405
5	7126.593
10	6998.342
15	6752.978
20	6397.541
25	6011.888
30	5505.528
35	4447.783
40	3022.706
45	1741.085
50	1211.389
55	1028.588
60	832.835
65	637.258
70	449.560
75	270.833
80	101.959
85	1.982
90	0.008
95	0.017
100	0.017
105	0.025
110	0.034
115	0.042
120	0.034
125	0.042
130	0.067
135	0.076
140	0.067
145	0.050
150	0.076
155	0.227
160	0.991
165	1.378
170	1.277
175	0.974
180	6.468

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2575.79	N.A.	22.60
0-30	5334.85	N.A.	46.80
0-40	8046.94	N.A.	70.60
0-60	10442.89	N.A.	91.70
0-80	11363.51	N.A.	99.70
0-90	11392.3	N.A.	100.00
10-90	10716.02	N.A.	94.10
20-40	5471.15	N.A.	48.00
20-50	6949.79	N.A.	61.00
40-70	3028.53	N.A.	26.60
60-80	920.62	N.A.	8.10
70-80	288.05	N.A.	2.50
80-90	28.79	N.A.	0.30
90-110	0.04	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.12	N.A.	0.00
90-150	0.22	N.A.	0.00
90-180	0.90	N.A.	0.00
110-180	0.86	N.A.	0.00
0-180	11393.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

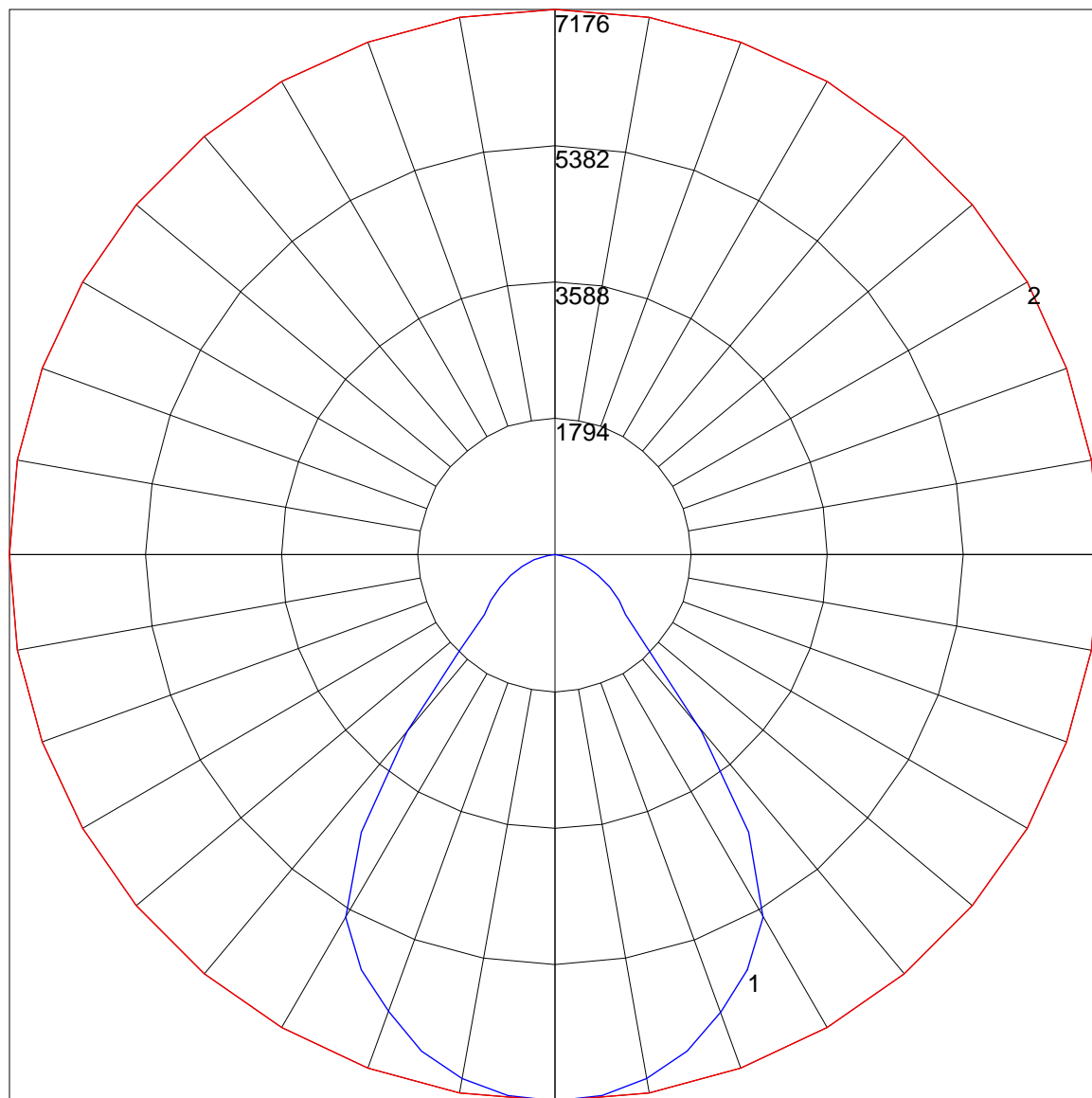
Zone	Lumens
0-10	676.28
10-20	1899.51
20-30	2759.06
30-40	2712.09
40-50	1478.65
50-60	917.31
60-70	632.57
70-80	288.05
80-90	28.79
90-100	0.02
100-110	0.03
110-120	0.04
120-130	0.04
130-140	0.06
140-150	0.04
150-160	0.17
160-170	0.35
170-180	0.17

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 7176.405 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)